Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/27/2021 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123907	-1	1.23	123820	1.2
Blue	F	SSC	125000	124273	-1	2.23	124634	2.08
Blue	E	FITC	13131	12726	-4	2.3	293	15.83
Blue	D	PE	24112	23726	-2	1.66	546	10.81
Blue	B	PerCP-Cy5-5	31295	30695	-2	3.05	1017	14.93
Blue	A	PE-Cy7	19939	19621	-2	5.19	519	29.65
Red	C	APC	42122	41020	-3	3.13	1718	11.47
Red	A	APC-Cy7	22340	21645	-4	3.36	808	11.63
Violet	B	V450	7410	6988	-6	3.5	423	12.12
Violet	A	V500	28118	26916	-5	3.21	670	9.9

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22942	1.19	572	3	N/A	N/A	Pass
Blue	F	SSC	57875	1.16	523	11	N/A	N/A	Pass
Blue	E	FITC	55	53.22	489	2	0.0390	74	Pass
Blue	D	PE	113	37.07	492	4	0.3912	282	Pass
Blue	B	PerCP-Cy5-5	187	35.94	588	2	0.0183	21	Pass
Blue	A	PE-Cy7	105	68.12	630	2	0.0213	0	Pass
Red	C	APC	397	24.1	579	3	0.0278	186	Pass
Red	A	APC-Cy7	180	28.05	554	3	0.0065	1343	Pass
Violet	B	V450	60	62.82	460	7	0.0761	2871	Pass
Violet	A	V500	97	33.98	472	7	0.0256	794	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/27/2021 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.85	-31.63	1.02
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.94	13.60 - 20.40	N/A	N/A	30.13	30.32	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15231

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments